

Title (en)

Monitoring system for low-speed mobility vehicle and another type of vehicle

Title (de)

Überwachungssystem für ein mobiles Fahrzeug mit geringer Geschwindigkeit oder für einen anderen Fahrzeugtyp

Title (fr)

Système de surveillance pour véhicule à mobilité à petite vitesse et autre type de véhicule

Publication

**EP 2187370 A1 20100519 (EN)**

Application

**EP 09175803 A 20091112**

Priority

JP 2008292615 A 20081114

Abstract (en)

In a monitoring system of a power wheelchair (low-speed mobility vehicle 12) and an automobile (vehicle of different type 14) having a remote monitoring device (16) connected to them through a first communicator (46), each of the wheelchair and automobile includes a first transmitter (42, 72) transmitting location data to the remote monitoring device through the first communicator, and the remote monitoring device calculates an inter-vehicle distance between the wheelchair (12) and automobile (14) based on the location data and transmits an approaching signal indicating that they are approaching each other when the inter-vehicle distance is equal to or less than a first predetermined value, thereby reducing the driving burden on the operators and enhances driving safety.

IPC 8 full level

**G08G 1/0962** (2006.01); **A61G 5/00** (2006.01); **B60Q 1/52** (2006.01); **G01C 21/20** (2006.01); **G08G 1/09** (2006.01); **G08G 1/16** (2006.01)

CPC (source: EP US)

**B60Q 1/535** (2022.05 - EP US); **B60Q 5/006** (2013.01 - EP US); **B60Q 9/008** (2013.01 - EP US); **B62K 5/007** (2013.01 - EP US); **G08G 1/0962** (2013.01 - EP US); **G08G 1/162** (2013.01 - EP US); **G08G 1/164** (2013.01 - EP US); **A61G 5/04** (2013.01 - EP US)

Citation (applicant)

- JP 2008027170 A 20080207 - SUMITOMO ELECTRIC INDUSTRIES
- JP 2007112363 A 20070510 - HONDA MOTOR CO LTD

Citation (search report)

- [X] US 6275773 B1 20010814 - LEMELSON JEROME H [US], et al
- [X] JP H11160068 A 19990618 - KAJIMA CORP
- [A] DE 10041714 A1 20020516 - VOLKSWAGEN AG [DE]
- [A] US 6731202 B1 20040504 - KLAUS DUANE [US]
- [A] EP 1953502 A2 20080806 - ZANAVY INFORMATICS KK [JP]
- [A] US 6246932 B1 20010612 - KAGEYAMA MASATO [JP], et al
- [A] WO 03049062 A1 20030612 - CATERPILLAR INC [US]

Citation (examination)

WO 0048158 A1 20000817 - JAFFE SHAI [IL]

Cited by

US9776587B2; WO2012015752A1; WO2014083097A1; US9230419B2; US9607496B2; US9633537B2; US9672713B2

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2187370 A1 20100519**; AU 2009238263 A1 20100603; AU 2009238263 B2 20110120; CA 2685982 A1 20100514; JP 2010118008 A 20100527; US 2010125415 A1 20100520

DOCDB simple family (application)

**EP 09175803 A 20091112**; AU 2009238263 A 20091113; CA 2685982 A 20091112; JP 2008292615 A 20081114; US 61730009 A 20091112